

**TABLE B-1**  
**Tier 1 Exposure Point Concentrations - Surface Soil**

ECOPCs		Number of Samples	Number of Non-detects	Detected Concentrations		COI Concentration (95UCL) - based on information from ERA Samples		
Analyte	Units			Min	Max	EPC	Distribution	Estimation Method
Antimony	mg/kg	92	13	0.025	5.1	1.749	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	97.5% KM (Chebyshev) UCL
Arsenic	mg/kg	92	0	2.3	53.7	13.29	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Cadmium	mg/kg	92	0	0.52	66.1	21.33	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Chromium	mg/kg	92	0	15.4	706	287.3	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Copper	mg/kg	92	0	10.1	120	45.81	Assuming Lognormal Distribution	95% H-UCL
Lead	mg/kg	92	0	5.5	21.7	12.46	Assuming Normal Distribution	95% Student's-t UCL
Manganese	mg/kg	92	0	166	4340	1655	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Nickel	mg/kg	92	0	6.7	260	112	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Selenium	mg/kg	125	0	0.073	245	20.73	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Vanadium	mg/kg	92	0	16.2	456	174.6	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Zinc	mg/kg	92	0	53.6	1240	500.2	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL

**TABLE B-2**  
**Tier 1 Exposure Point Concentrations - Small Mammals**

ECOPCs		Number of Samples	Number of Non-detects	Detected Concentrations		COI Concentration (95UCL) - based on information from ERA Samples		
Analyte	Units			Min	Max	EPC	Distribution	Estimation Method
Antimony	mg/kg	108	0	0.042	3.21	0.562	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Arsenic	mg/kg	108	21	0.08	3.39	0.796	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (BCA) UCL
Cadmium	mg/kg	108	0	0.05	3.37	0.682	Assuming Gamma Distribution	95% Approximate Gamma UCL
Chromium	mg/kg	108	0	0.94	16.5	3.743	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Copper	mg/kg	108	0	11.9	3900	550.9	Assuming Lognormal Distribution	95% H-UCL
Lead	mg/kg	108	0	0.333	553	65.29	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Manganese	mg/kg	108	0	4.66	66.5	14.09	Assuming Normal Distribution	95% Student's-t UCL
Nickel	mg/kg	108	0	0.98	54.8	10.04	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Selenium	mg/kg	108	0	0.62	131	28.7	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Vanadium	mg/kg	108	0	0.26	7.54	1.539	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Zinc	mg/kg	108	0	133	2490	861.4	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL

**TABLE B-3**  
**Tier 1 Exposure Point Concentrations - Invertebrate Tissues**

ECOPCs		Number of Samples	Number of Non-detects	Detected Concentrations		COI Concentration (95UCL) - based on information from ERA Samples		
Analyte	Units			Min	Max	EPC	Distribution	Estimation Method
Antimony	mg/kg	58	44	0.02	0.147	0.0316	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Arsenic	mg/kg	58	1	0.08	6.54	1.254	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (Chebyshev) UCL
Cadmium	mg/kg	58	0	0.698	15.5	5.192	Assuming Gamma Distribution	95% Approximate Gamma UCL
Chromium	mg/kg	58	0	0.18	24.4	3.796	Assuming Lognormal Distribution	95% H-UCL
Copper	mg/kg	58	0	17.5	32.5	24.65	Assuming Normal Distribution	95% Student's-t UCL
Lead	mg/kg	58	1	0.062	0.752	0.267	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (Chebyshev) UCL
Manganese	mg/kg	58	0	33.2	309	130.9	Assuming Gamma Distribution	95% Approximate Gamma UCL
Nickel	mg/kg	58	0	0.39	7.45	2.924	Assuming Gamma Distribution	95% Approximate Gamma UCL
Selenium	mg/kg	58	0	0.45	193	23.05	Assuming Gamma Distribution	95% Approximate Gamma UCL
Vanadium	mg/kg	58	0	0.21	9.05	2.157	Assuming Lognormal Distribution	95% H-UCL
Zinc	mg/kg	58	0	127	265	187.2	Assuming Normal Distribution	95% Student's-t UCL

**TABLE B-4**  
**Tier 1 Exposure Point Concentrations - Terrestrial Vegetation**

ECOPCs		Number of Samples	Number of Non-detects	Detected Concentrations		COI Concentration (95UCL) - based on information from ERA Samples		
Analyte	Units			Min	Max	EPC	Distribution	Estimation Method
Antimony	mg/kg	92	30	0.01	0.294	0.0646	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (Percentile Bootstrap) UCL
Arsenic	mg/kg	92	27	0.05	3.13	0.317	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (BCA) UCL
Cadmium	mg/kg	92	2	0.069	3.73	1.5	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (Chebyshev) UCL
Chromium	mg/kg	92	23	2.00E-01	6.10E+00	1.141	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (Percentile Bootstrap) UCL
Copper	mg/kg	92	0	3.44	11	7.058	Assuming Normal Distribution	95% Student's-t UCL
Lead	mg/kg	92	56	0.063	0.904	0.116	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Manganese	mg/kg	92	0	22.2	320	108.3	Assuming Lognormal Distribution	95% H-UCL
Nickel	mg/kg	92	3	0.24	12.8	4.272	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (Chebyshev) UCL
Selenium	mg/kg	92	23	0.07	149	19.51	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (Chebyshev) UCL
Vanadium	mg/kg	92	0	0.09	1.26	0.405	Assuming Gamma Distribution	95% Approximate Gamma UCL
Zinc	mg/kg	92	0	17.3	124	56.86	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL

**TABLE B-5**  
**Tier 2 Exposure Point Concentrations - Surface Soil By Mine Panel**

ECOPCs		Number of Samples	Number of Non-detects	Detected Concentrations		COI Concentration (95UCL) - based on information from ERA Samples		
Analyte	Units			Min	Max	EPC	Distribution	Estimation Method
Sb (a panel area 1)	mg/kg	10	3	0.13	1.2	0.705	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Sb (a panel area 2)	mg/kg	10	1	0.83	4.5	3.3	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Sb (d panel (north))	mg/kg	10	0	0.15	2.9	1.754	Assuming Normal Distribution	95% Student's-t UCL
Sb (d panel (south))	mg/kg	10	0	0.074	5.1	2.678	Assuming Normal Distribution	95% Student's-t UCL
Sb (e panel area 1)	mg/kg	10	2	0.068	0.98	0.503	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Sb (e panel area 2)	mg/kg	10	2	0.025	0.25	0.0943	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (BCA) UCL
Sb (north sage)	mg/kg	10	0	0.069	0.17	0.136	Assuming Normal Distribution	95% Student's-t UCL
Sb (pole canyon oda)	mg/kg	10	2	0.56	4	2.612	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
As (a panel area 1)	mg/kg	10	0	3.3	11	7.78	Assuming Normal Distribution	95% Student's-t UCL
As (a panel area 2)	mg/kg	10	0	5.4	53.7	27.52	Assuming Normal Distribution	95% Student's-t UCL
As (d panel (north))	mg/kg	10	0	6.7	24.6	14.41	Assuming Normal Distribution	95% Student's-t UCL
As (d panel (south))	mg/kg	10	0	5.4	19	14.99	Assuming Normal Distribution	95% Student's-t UCL
As (e panel area 1)	mg/kg	10	0	3.2	12.8	7.99	Assuming Normal Distribution	95% Student's-t UCL
As (e panel area 2)	mg/kg	10	0	3.1	4.8	4.536	Assuming Normal Distribution	95% Student's-t UCL
As (north sage)	mg/kg	10	0	3.1	6.6	5.013	Assuming Normal Distribution	95% Student's-t UCL
As (pole canyon oda)	mg/kg	10	0	4.7	27.7	18.84	Assuming Normal Distribution	95% Student's-t UCL
Cd (a panel area 1)	mg/kg	10	0	3.7	20.1	14.29	Assuming Normal Distribution	95% Student's-t UCL
Cd (a panel area 2)	mg/kg	10	0	2.3	66.1	39.52	Assuming Normal Distribution	95% Student's-t UCL
Cd (d panel (north))	mg/kg	10	0	7.8	32.9	26.12	Assuming Normal Distribution	95% Student's-t UCL
Cd (d panel (south))	mg/kg	10	0	3	53.1	35.12	Assuming Normal Distribution	95% Student's-t UCL
Cd (e panel area 1)	mg/kg	10	0	1.4	20.7	13.11	Assuming Normal Distribution	95% Student's-t UCL
Cd (e panel area 2)	mg/kg	10	0	0.52	10.7	6.371	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Cd (north sage)	mg/kg	10	0	1.9	6.3	4.455	Assuming Normal Distribution	95% Student's-t UCL
Cd (pole canyon oda)	mg/kg	10	0	1.8	45.3	33.29	Assuming Normal Distribution	95% Student's-t UCL
Cr (a panel area 1)	mg/kg	10	0	33.9	203	152.8	Assuming Normal Distribution	95% Student's-t UCL
Cr (a panel area 2)	mg/kg	10	0	51.1	620	504.2	Assuming Normal Distribution	95% Student's-t UCL
Cr (d panel (north))	mg/kg	10	0	73.3	473	371.1	Assuming Normal Distribution	95% Student's-t UCL
Cr (d panel (south))	mg/kg	10	0	65.3	706	428	Assuming Normal Distribution	95% Student's-t UCL
Cr (e panel area 1)	mg/kg	10	0	25.3	357	210.6	Assuming Normal Distribution	95% Student's-t UCL
Cr (e panel area 2)	mg/kg	10	0	24.1	70.2	45.84	Assuming Normal Distribution	95% Student's-t UCL
Cr (north sage)	mg/kg	10	0	26.4	55	43.5	Assuming Normal Distribution	95% Student's-t UCL
Cr (pole canyon oda)	mg/kg	10	0	64.6	606	489	Assuming Normal Distribution	95% Student's-t UCL
Cu (a panel area 1)	mg/kg	10	0	12.3	50	38.37	Assuming Normal Distribution	95% Student's-t UCL
Cu (a panel area 2)	mg/kg	10	0	31.3	120	84.92	Assuming Normal Distribution	95% Student's-t UCL
Cu (d panel (north))	mg/kg	10	0	27.6	64.1	55.34	Assuming Normal Distribution	95% Student's-t UCL
Cu (d panel (south))	mg/kg	10	0	25.7	109	70.27	Assuming Normal Distribution	95% Student's-t UCL
Cu (e panel area 1)	mg/kg	10	0	11.4	53.7	39.95	Assuming Normal Distribution	95% Student's-t UCL
Cu (e panel area 2)	mg/kg	10	0	13.5	28.9	26.59	Assuming Normal Distribution	95% Student's-t UCL
Cu (north sage)	mg/kg	10	0	22.1	35.2	28.58	Assuming Normal Distribution	95% Student's-t UCL

**TABLE B-5**  
**Tier 2 Exposure Point Concentrations - Surface Soil By Mine Panel**

ECOPCs		Number of Samples	Number of Non-detects	Detected Concentrations		COI Concentration (95UCL) - based on information from ERA Samples		
Analyte	Units			Min	Max	EPC	Distribution	Estimation Method
Cu (pole canyon oda)	mg/kg	10	0	17.1	86.2	71.47	Assuming Normal Distribution	95% Student's-t UCL
Pb (a panel area 1)	mg/kg	10	0	9.7	13.8	13.07	Assuming Normal Distribution	95% Student's-t UCL
Pb (a panel area 2)	mg/kg	10	0	6.4	17.5	11.87	Assuming Normal Distribution	95% Student's-t UCL
Pb (d panel (north))	mg/kg	10	0	5.5	12.2	9.956	Assuming Normal Distribution	95% Student's-t UCL
Pb (d panel (south))	mg/kg	10	0	6.3	15.7	11.51	Assuming Normal Distribution	95% Student's-t UCL
Pb (e panel area 1)	mg/kg	10	0	6.4	19.1	14.24	Assuming Normal Distribution	95% Student's-t UCL
Pb (e panel area 2)	mg/kg	10	0	10.8	20	16.32	Assuming Normal Distribution	95% Student's-t UCL
Pb (north sage)	mg/kg	10	0	12.5	20.5	17	Assuming Normal Distribution	95% Student's-t UCL
Pb (pole canyon oda)	mg/kg	10	0	6.5	14.8	11.65	Assuming Normal Distribution	95% Student's-t UCL
Mn (a panel area 1)	mg/kg	10	0	345	2350	1893	Assuming Normal Distribution	95% Student's-t UCL
Mn (a panel area 2)	mg/kg	10	0	173	3090	2102	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Mn (d panel (north))	mg/kg	10	0	166	2600	1617	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Mn (d panel (south))	mg/kg	10	0	179	2840	1581	Assuming Gamma Distribution	95% Adjusted Gamma UCL
Mn (e panel area 1)	mg/kg	10	0	451	4340	2823	Assuming Gamma Distribution	95% Adjusted Gamma UCL
Mn (e panel area 2)	mg/kg	10	0	618	3960	3353	Assuming Normal Distribution	95% Student's-t UCL
Mn (north sage)	mg/kg	10	0	352	2170	1537	Assuming Normal Distribution	95% Student's-t UCL
Mn (pole canyon oda)	mg/kg	10	0	199	3440	1992	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Mo (a panel area 1)	mg/kg	10	0	2.1	5	4.368	Assuming Normal Distribution	95% Student's-t UCL
Mo (a panel area 2)	mg/kg	10	0	2.2	28.8	20.16	Assuming Normal Distribution	95% Student's-t UCL
Mo (d panel (north))	mg/kg	10	0	2.7	13.7	11.88	Assuming Normal Distribution	95% Student's-t UCL
Mo (d panel (south))	mg/kg	10	0	2.8	23	13.73	Assuming Normal Distribution	95% Student's-t UCL
Mo (e panel area 1)	mg/kg	10	0	0.83	13.6	8.668	Assuming Normal Distribution	95% Student's-t UCL
Mo (e panel area 2)	mg/kg	10	0	0.46	3	1.702	Assuming Normal Distribution	95% Student's-t UCL
Mo (north sage)	mg/kg	10	0	0.46	1.7	1.112	Assuming Normal Distribution	95% Student's-t UCL
Mo (pole canyon oda)	mg/kg	10	0	2.8	24.4	16.56	Assuming Normal Distribution	95% Student's-t UCL
Ni (a panel area 1)	mg/kg	10	0	24.5	88.3	69.93	Assuming Normal Distribution	95% Student's-t UCL
Ni (a panel area 2)	mg/kg	10	0	42.1	249	201.6	Assuming Normal Distribution	95% Student's-t UCL
Ni (d panel (north))	mg/kg	10	0	52.3	174	131.3	Assuming Normal Distribution	95% Student's-t UCL
Ni (d panel (south))	mg/kg	10	0	53.5	234	141.9	Assuming Normal Distribution	95% Student's-t UCL
Ni (e panel area 1)	mg/kg	10	0	21.6	135	83.77	Assuming Normal Distribution	95% Student's-t UCL
Ni (e panel area 2)	mg/kg	10	0	24.4	47.7	38.99	Assuming Normal Distribution	95% Student's-t UCL
Ni (north sage)	mg/kg	10	0	15.2	31.7	25.78	Assuming Normal Distribution	95% Student's-t UCL
Ni (pole canyon oda)	mg/kg	10	0	36.6	245	182.6	Assuming Normal Distribution	95% Student's-t UCL
Se (a panel area 1)	mg/kg	10	0	0.35	5.1	3.3	Assuming Normal Distribution	95% Student's-t UCL
Se (a panel area 2)	mg/kg	10	0	1.2	245	121	Assuming Gamma Distribution	95% Adjusted Gamma UCL
Se (d panel (north))	mg/kg	10	0	2.5	45.6	27.1	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Se (d panel (south))	mg/kg	10	0	0.87	42.9	18.95	Assuming Normal Distribution	95% Student's-t UCL
Se (e panel area 1)	mg/kg	10	0	0.46	6.8	3.052	Assuming Lognormal Distribution	95% H-UCL
Se (e panel area 2)	mg/kg	10	0	0.073	0.94	0.499	Assuming Normal Distribution	95% Student's-t UCL

**TABLE B-5**  
**Tier 2 Exposure Point Concentrations - Surface Soil By Mine Panel**

ECOPCs		Number of Samples	Number of Non-detects	Detected Concentrations		COI Concentration (95UCL) - based on information from ERA Samples		
Analyte	Units			Min	Max	EPC	Distribution	Estimation Method
Se (north sage)	mg/kg	10	0	0.24	1.2	0.624	Assuming Gamma Distribution	95% Adjusted Gamma UCL
Se (pole canyon oda)	mg/kg	10	0	1.1	39.2	24.28	Assuming Normal Distribution	95% Student's-t UCL
V (a panel area 1)	mg/kg	10	0	31.9	236	167.5	Assuming Normal Distribution	95% Student's-t UCL
V (a panel area 2)	mg/kg	10	0	40.4	325	289.1	Assuming Normal Distribution	95% Student's-t UCL
V (d panel (north))	mg/kg	10	0	66.1	284	232.7	Assuming Normal Distribution	95% Student's-t UCL
V (d panel (south))	mg/kg	10	0	43.2	456	291.7	Assuming Normal Distribution	95% Student's-t UCL
V (e panel area 1)	mg/kg	10	0	21.1	153	106	Assuming Normal Distribution	95% Student's-t UCL
V (e panel area 2)	mg/kg	10	0	21.3	61.3	40.68	Assuming Gamma Distribution	95% Adjusted Gamma UCL
V (north sage)	mg/kg	10	0	31.5	61.1	45.44	Assuming Normal Distribution	95% Student's-t UCL
V (pole canyon oda)	mg/kg	10	0	45.1	330	241	Assuming Normal Distribution	95% Student's-t UCL
Zn (a panel area 1)	mg/kg	10	0	101	388	316.9	Assuming Normal Distribution	95% Student's-t UCL
Zn (a panel area 2)	mg/kg	10	0	141	1030	822.6	Assuming Normal Distribution	95% Student's-t UCL
Zn (d panel (north))	mg/kg	10	0	193	800	603.6	Assuming Normal Distribution	95% Student's-t UCL
Zn (d panel (south))	mg/kg	10	0	217	1010	654.3	Assuming Normal Distribution	95% Student's-t UCL
Zn (e panel area 1)	mg/kg	10	0	67.8	548	345	Assuming Normal Distribution	95% Student's-t UCL
Zn (e panel area 2)	mg/kg	10	0	75.6	148	123.2	Assuming Normal Distribution	95% Student's-t UCL
Zn (north sage)	mg/kg	10	0	96.1	223	168.6	Assuming Normal Distribution	95% Student's-t UCL
Zn (pole canyon oda)	mg/kg	10	0	168	1050	861	Assuming Normal Distribution	95% Student's-t UCL







**TABLE B-6**  
**Tier 2 Exposure Point Concentrations - Surface Soil By Reclamation Type**

ECOPCs		Number of Samples	Number of Non-detects	Detected Concentrations		COI Concentration (95UCL) - based on information from ERA Samples		
Analyte	Units			Min	Max	EPC	Distribution	Estimation Method
As (no topsoil no chert)	mg/kg	9	0	6.7	27.7	20.2	Assuming Normal Distribution	95% Student's-t UCL
As (topsoil dinwoody chert)	mg/kg	10	0	3.1	4.8	4.536	Assuming Normal Distribution	95% Student's-t UCL
As (topsoil no chert)	mg/kg	21	0	4.7	53.7	19.04	Assuming Normal Distribution	95% Student's-t UCL
As (topsoil over chert)	mg/kg	30	0	3.2	19	9.856	Assuming Lognormal Distribution	95% H-UCL
Cd (no topsoil no chert)	mg/kg	9	0	7.8	45.3	39.08	Assuming Normal Distribution	95% Student's-t UCL
Cd (topsoil dinwoody chert)	mg/kg	10	0	0.52	10.7	6.371	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Cd (topsoil no chert)	mg/kg	21	0	1.8	66.1	27.8	Assuming Normal Distribution	95% Student's-t UCL
Cd (topsoil over chert)	mg/kg	30	0	1.4	53.1	20.36	Assuming Gamma Distribution	95% Adjusted Gamma UCL
Cr (no topsoil no chert)	mg/kg	9	0	73.3	620	513.6	Assuming Normal Distribution	95% Student's-t UCL
Cr (topsoil dinwoody chert)	mg/kg	10	0	24.1	70.2	45.84	Assuming Normal Distribution	95% Student's-t UCL
Cr (topsoil no chert)	mg/kg	21	0	51.1	573	402.7	Assuming Normal Distribution	95% Student's-t UCL
Cr (topsoil over chert)	mg/kg	30	0	25.3	706	248.5	Assuming Gamma Distribution	95% Adjusted Gamma UCL
Cu (no topsoil no chert)	mg/kg	9	0	27.6	120	83.59	Assuming Normal Distribution	95% Student's-t UCL
Cu (topsoil dinwoody chert)	mg/kg	10	0	13.5	28.9	26.59	Assuming Normal Distribution	95% Student's-t UCL
Cu (topsoil no chert)	mg/kg	21	0	17.1	90.5	62.49	Assuming Normal Distribution	95% Student's-t UCL
Cu (topsoil over chert)	mg/kg	30	0	11.4	109	45.44	Assuming Normal Distribution	95% Student's-t UCL
Mn (no topsoil no chert)	mg/kg	9	0	173	2600	1677	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Mn (topsoil dinwoody chert)	mg/kg	10	0	618	3960	3353	Assuming Normal Distribution	95% Student's-t UCL
Mn (topsoil no chert)	mg/kg	21	0	166	3440	1596	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Mn (topsoil over chert)	mg/kg	30	0	179	4340	1607	Assuming Normal Distribution	95% Student's-t UCL
Ni (no topsoil no chert)	mg/kg	9	0	52.3	249	200.4	Assuming Normal Distribution	95% Student's-t UCL
Ni (topsoil dinwoody chert)	mg/kg	10	0	24.4	47.7	38.99	Assuming Normal Distribution	95% Student's-t UCL
Ni (topsoil no chert)	mg/kg	21	0	36.6	230	151.9	Assuming Normal Distribution	95% Student's-t UCL
Ni (topsoil over chert)	mg/kg	30	0	21.6	234	92.57	Assuming Gamma Distribution	95% Adjusted Gamma UCL
Pb (no topsoil no chert)	mg/kg	9	0	6.7	12.2	10.9	Assuming Normal Distribution	95% Student's-t UCL
Pb (topsoil dinwoody chert)	mg/kg	10	0	10.8	20	16.32	Assuming Normal Distribution	95% Student's-t UCL
Pb (topsoil no chert)	mg/kg	21	0	5.5	17.5	10.79	Assuming Normal Distribution	95% Student's-t UCL
Pb (topsoil over chert)	mg/kg	30	0	6.3	19.1	12.29	Assuming Normal Distribution	95% Student's-t UCL
Sb (no topsoil no chert)	mg/kg	9	0	0.15	4.5	3.222	Assuming Normal Distribution	95% Student's-t UCL
Sb (topsoil dinwoody chert)	mg/kg	10	2	0.025	0.25	0.0956	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (BCA) UCL
Sb (topsoil no chert)	mg/kg	21	3	0.54	3.4	2.808	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (Chebyshev) UCL
Sb (topsoil over chert)	mg/kg	30	5	0.068	5.1	1.757	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (Chebyshev) UCL
Se (no topsoil no chert)	mg/kg	9	0	4.1	39.6	25.65	Assuming Normal Distribution	95% Student's-t UCL
Se (topsoil dinwoody chert)	mg/kg	10	0	0.073	0.94	0.499	Assuming Normal Distribution	95% Student's-t UCL
Se (topsoil no chert)	mg/kg	21	0	1.1	245	74.07	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Se (topsoil over chert)	mg/kg	30	0	0.35	42.9	7.998	Assuming Gamma Distribution	95% Adjusted Gamma UCL
V (no topsoil no chert)	mg/kg	9	0	66.1	330	394.9	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
V (topsoil dinwoody chert)	mg/kg	10	0	21.3	61.3	40.68	Assuming Gamma Distribution	95% Adjusted Gamma UCL
V (topsoil no chert)	mg/kg	21	0	40.4	315	208.9	Assuming Normal Distribution	95% Student's-t UCL
V (topsoil over chert)	mg/kg	30	0	21.1	456	179.1	Assuming Gamma Distribution	95% Adjusted Gamma UCL
Zn (no topsoil no chert)	mg/kg	9	0	193	1050	913.2	Assuming Normal Distribution	95% Student's-t UCL
Zn (topsoil dinwoody chert)	mg/kg	10	0	75.6	148	123.2	Assuming Normal Distribution	95% Student's-t UCL
Zn (topsoil no chert)	mg/kg	21	0	141	1030	654.2	Assuming Normal Distribution	95% Student's-t UCL

Zn (topsoil over chert)	mg/kg	30	0	67.8	1010	417.9	Assuming Gamma Distribution	95% Adjusted Gamma UCL
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## Tier 2 Exposure P

ECOPCs		Number of Samples	Number of Non-detects	Detected Concentrations		EPC
				Min	Max	
Analyte	Units					
As (a panel area 1)	mg/kg	9	0	0.14	0.7	0.405
As (a panel area 2)	mg/kg	12	0	0.21	0.9	0.751
As (d panel (north))	mg/kg	12	0	0.15	3.35	1.765
As (d panel (south))	mg/kg	13	0	0.28	1.59	1.143
As (e panel area 1)	mg/kg	12	0	0.12	0.32	0.248
As (e panel area 2)	mg/kg	15	14	0.356	1.97	1.228
As (pole canyon)	mg/kg	14	0	0.49	3.39	1.732
Cd (a panel area 1)	mg/kg	9	0	0.356	1.97	1.228
Cd (a panel area 2)	mg/kg	12	0	0.074	1.45	1.085
Cd (d panel (north))	mg/kg	12	0	0.214	0.927	0.699
Cd (d panel (south))	mg/kg	13	0	0.171	0.827	0.559
Cd (e panel area 1)	mg/kg	12	0	0.12	3.37	1.843
Cd (e panel area 2)	mg/kg	15	0	0.05	0.45	0.22
Cd (pole canyon)	mg/kg	14	0	0.352	1.7	0.932
Cr (a panel area 1)	mg/kg	9	0	1.31	3.11	2.525
Cr (a panel area 2)	mg/kg	12	0	1.4	16.5	9.754
Cr (d panel (north))	mg/kg	12	0	1.07	3.85	2.385
Cr (d panel (south))	mg/kg	13	0	1.27	8.26	5.677
Cr (e panel area 1)	mg/kg	12	0	1.84	4.1	3.046
Cr (e panel area 2)	mg/kg	15	0	1.01	4.14	2.534
Cu (a panel area 1)	mg/kg	9	0	11.9	917	597.7
Cu (a panel area 2)	mg/kg	12	0	38.1	374	193.4
Cu (d panel (north))	mg/kg	12	0	18.8	784	547.6
Cu (d panel (south))	mg/kg	13	0	14.5	2120	960.5
Cu (e panel area 1)	mg/kg	12	0	50.1	816	386.7
Cu (e panel area 2)	mg/kg	15	0	73.4	944	365.3
Cu (pole canyon)	mg/kg	14	0	17.1	3900	4098
Mn (a panel area 1)	mg/kg	9	0	9.21	14.7	13
Mn (a panel area 2)	mg/kg	12	0	7.12	66.5	36.26
Mn (d panel (north))	mg/kg	12	0	4.81	14.4	9.99
Mn (d panel (south))	mg/kg	13	0	5.34	52.6	30.43
Mn (e panel area 1)	mg/kg	12	0	7.77	16.8	13.46
Mn (e panel area 2)	mg/kg	15	0	7.75	27.9	15.15
Mn (pole canyon)	mg/kg	14	0	4.66	12.8	10.28
Mo (a panel area 1)	mg/kg	9	0	0.91	1.44	1.252
Mo (a panel area 2)	mg/kg	12	0	0.89	2.5	1.585
Mo (d panel (north))	mg/kg	12	0	0.87	2.92	1.735
Mo (d panel (south))	mg/kg	13	0	0.83	1.72	1.382
Mo (e panel area 1)	mg/kg	12	0	0.99	1.74	1.426

Mo (e panel area 2)	mg/kg	15	0	0.92	1.58	1.178
Mo (pole canyon)	mg/kg	14	0	0.88	1.86	1.537
Ni (a panel area 1)	mg/kg	9	0	1.86	54.8	33.14
Ni (a panel area 2)	mg/kg	12	0	1.62	35.9	15.01
Ni (d panel (north))	mg/kg	12	0	1.23	5.81	3.979
Ni (d panel (south))	mg/kg	13	0	1.18	20.6	10.48
Ni (e panel area 1)	mg/kg	12	0	1.4	5.01	2.766
Ni (e panel area 2)	mg/kg	15	0	0.98	4.89	2.376
Ni (pole canyon)	mg/kg	14	0	1.22	52.9	32.21
Pb (a panel area 1)	mg/kg	9	0	2.28	348	230.3
Pb (a panel area 2)	mg/kg	12	0	1.07	20.9	11.42
Pb (d panel (north))	mg/kg	12	0	0.333	46.6	21.06
Pb (d panel (south))	mg/kg	13	0	1.09	99.1	55.34
Pb (e panel area 1)	mg/kg	12	0	1.87	324	152.9
Pb (e panel area 2)	mg/kg	15	0	3.38	84.5	50.93
Pb (pole canyon)	mg/kg	14	0	0.59	553	231.7
Sb (a panel area 1)	mg/kg	9	0	0.082	1.8	0.817
Sb (a panel area 2)	mg/kg	12	0	0.061	1.51	0.591
Sb (d panel (north))	mg/kg	12	0	0.131	0.516	0.33
Sb (d panel (south))	mg/kg	13	0	0.042	0.871	0.365
Sb (e panel area 1)	mg/kg	12	0	0.058	2.11	0.765
Sb (e panel area 2)	mg/kg	15	0	0.087	0.858	0.536
Sb (pole canyon)	mg/kg	14	0	0.1	3.21	1.119
Se (a panel area 1)	mg/kg	9	0	0.89	22.4	14.13
Se (a panel area 2)	mg/kg	12	0	1.25	29.3	20.95
Se (d panel (north))	mg/kg	12	0	2.87	101	49.11
Se (d panel (south))	mg/kg	13	0	1.89	59.7	37.63
Se (e panel area 1)	mg/kg	12	0	1.71	5.44	3.71
Se (e panel area 2)	mg/kg	15	0	1.11	4.18	2.39
Se (pole canyon)	mg/kg	14	0	10.5	131	56.05
V (a panel area 1)	mg/kg	9	0	0.64	1.68	1.302
V (a panel area 2)	mg/kg	12	0	0.51	7.54	3.707
V (d panel (north))	mg/kg	12	0	0.3	1.58	1.036
V (d panel (south))	mg/kg	13	0	0.41	3.79	2.372
V (e panel area 1)	mg/kg	12	0	0.62	1.46	1.088
V (e panel area 2)	mg/kg	15	0	0.32	1.43	0.888
V (pole canyon)	mg/kg	14	0	0.54	2.39	1.616
Zn (a panel area 1)	mg/kg	9	0	177	795	609.3
Zn (a panel area 2)	mg/kg	12	0	228	2360	1067
Zn (d panel (north))	mg/kg	12	0	291	888	706.2
Zn (d panel (south))	mg/kg	13	0	201	2490	1116
Zn (e panel area 1)	mg/kg	12	0	209	949	593.9
Zn (e panel area 2)	mg/kg	15	0	261	599	426.8
Zn (pole canyon)	mg/kg	14	0	133	2330	1499









**TABLE B-8**  
**Tier 2 Exposure Point Concentrations - Mammal Tissue By Reclamation Type**

ECOPCs		Number of Samples	Number of Non-detects	Detected Concentrations		COI Concentration (95UCL) - based on information from ERA Samples		
Analyte	Units			Min	Max	EPC	Distribution	Estimation Method
As (no topsoil no chert)	mg/kg	12	0	0.15	3.35	1.62	Assuming Lognormal Distribution	95% H-UCL
As (topsoil dinwoody chert)	mg/kg	15	14	0.21	3.39	1.372	Assuming Gamma Distribution	95% Adjusted Gamma UCL
As (topsoil no chert)	mg/kg	26	0	0.21	3.39	1.372	Assuming Gamma Distribution	95% Adjusted Gamma UCL
As (topsoil over chert)	mg/kg	34	0	0.12	1.59	0.838	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Cd (no topsoil no chert)	mg/kg	12	0	0.214	1.45	0.963	Assuming Normal Distribution	95% Student's-t UCL
Cd (topsoil dinwoody chert)	mg/kg	15	0	0.05	0.45	0.22	Assuming Normal Distribution	95% Student's-t UCL
Cd (topsoil no chert)	mg/kg	26	0	0.074	1.7	0.827	Assuming Normal Distribution	95% Student's-t UCL
Cd (topsoil over chert)	mg/kg	34	0	0.12	3.37	0.954	Assuming Gamma Distribution	95% Adjusted Gamma UCL
Cr (no topsoil no chert)	mg/kg	12	0	1.07	16.5	6.311	Assuming Lognormal Distribution	95% H-UCL
Cr (topsoil dinwoody chert)	mg/kg	15	0	1.01	4.14	2.534	Assuming Normal Distribution	95% Student's-t UCL
Cr (topsoil no chert)	mg/kg	26	0	0.94	14.6	4.545	Assuming Lognormal Distribution	95% H-UCL
Cr (topsoil over chert)	mg/kg	34	0	1.27	8.26	3.047	Assuming Normal Distribution	95% Student's-t UCL
Cu (no topsoil no chert)	mg/kg	12	0	38.1	1320	487.3	Assuming Gamma Distribution	95% Adjusted Gamma UCL
Cu (topsoil dinwoody chert)	mg/kg	15	0	73.4	944	365.3	Assuming Normal Distribution	95% Student's-t UCL
Cu (topsoil no chert)	mg/kg	26	0	17.1	3900	1341	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Cu (topsoil over chert)	mg/kg	34	0	11.9	2120	567.1	Assuming Gamma Distribution	95% Adjusted Gamma UCL
Mn (no topsoil no chert)	mg/kg	12	0	4.81	15.5	10.5	Assuming Normal Distribution	95% Student's-t UCL
Mn (topsoil dinwoody chert)	mg/kg	15	0	7.75	27.9	15.15	Assuming Normal Distribution	95% Student's-t UCL
Mn (topsoil no chert)	mg/kg	26	0	4.66	66.5	21.77	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Mn (topsoil over chert)	mg/kg	34	0	5.34	52.6	15.16	Assuming Normal Distribution	95% Student's-t UCL
Ni (no topsoil no chert)	mg/kg	12	0	1.46	40.4	14.78	Assuming Normal Distribution	95% Student's-t UCL
Ni (topsoil dinwoody chert)	mg/kg	15	0	0.98	4.89	2.376	Assuming Normal Distribution	95% Student's-t UCL
Ni (topsoil no chert)	mg/kg	26	0	1.22	52.9	19.4	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Ni (topsoil over chert)	mg/kg	34	0	1.18	54.8	14.15	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Pb (no topsoil no chert)	mg/kg	12	0	1.07	553	524.8	Nonparametric Distribution Free UCLs	99% Chebyshev (Mean, Sd) UCL
Pb (topsoil dinwoody chert)	mg/kg	15	0	3.38	84.5	50.93	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Pb (topsoil no chert)	mg/kg	26	0	0.333	134	36.91	Assuming Gamma Distribution	95% Adjusted Gamma UCL
Pb (topsoil over chert)	mg/kg	34	0	1.09	348	83.37	Assuming Lognormal Distribution	95% H-UCL
Sb (no topsoil no chert)	mg/kg	12	0	0.122	3.21	1.209	Assuming Gamma Distribution	95% Adjusted Gamma UCL
Sb (topsoil dinwoody chert)	mg/kg	15	0	0.087	0.858	0.536	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Sb (topsoil no chert)	mg/kg	26	0	0.061	1.51	0.453	Assuming Gamma Distribution	95% Adjusted Gamma UCL
Sb (topsoil over chert)	mg/kg	34	0	0.042	2.11	0.481	Assuming Gamma Distribution	95% Adjusted Gamma UCL
Se (no topsoil no chert)	mg/kg	12	0	2.87	101	47.81	Assuming Gamma Distribution	95% Adjusted Gamma UCL
Se (topsoil dinwoody chert)	mg/kg	15	0	1.11	4.18	2.39	Assuming Normal Distribution	95% Student's-t UCL
Se (topsoil no chert)	mg/kg	26	0	1.25	131	42.47	Assuming Normal Distribution	95% Student's-t UCL
Se (topsoil over chert)	mg/kg	34	0	0.89	59.7	25.74	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
V (no topsoil no chert)	mg/kg	12	0	0.3	5.96	2.546	Assuming Gamma Distribution	95% Adjusted Gamma UCL
V (topsoil dinwoody chert)	mg/kg	15	0	0.32	1.43	0.888	Assuming Normal Distribution	95% Student's-t UCL
V (topsoil no chert)	mg/kg	26	0	0.51	7.54	2.061	Assuming Lognormal Distribution	95% H-UCL
V (topsoil over chert)	mg/kg	34	0	0.41	3.79	1.245	Assuming Normal Distribution	95% Student's-t UCL
Zn (no topsoil no chert)	mg/kg	12	0	133	1670	904.9	Assuming Normal Distribution	95% Student's-t UCL
Zn (topsoil dinwoody chert)	mg/kg	15	0	261	599	426.8	Assuming Normal Distribution	95% Student's-t UCL
Zn (topsoil no chert)	mg/kg	26	0	228	2360	969.4	Assuming Gamma Distribution	95% Adjusted Gamma UCL
Zn (topsoil over chert)	mg/kg	34	0	177	2490	672.7	Assuming Lognormal Distribution	95% H-UCL

**TABLE B-9**  
**Tier 2 Exposure Point Concentrations - Invertebrate Tissue By Mine Panel**

ECOPCs		Number of Samples	Number of Non-detects	Detected Concentrations		COI Concentration (95UCL) - based on information from ERA Samples		
Analyte	Units			Min	Max	EPC	Distribution	Estimation Method
As (a panel area 1)	mg/kg	6	0	0.14	0.35	0.342	Assuming Normal Distribution	95% Student's-t UCL
As (a panel area 2)	mg/kg	6	0	0.53	1.15	0.93	Assuming Normal Distribution	95% Student's-t UCL
As (d panel (north))	mg/kg	6	0	0.3	1.8	1.513	Assuming Normal Distribution	95% Student's-t UCL
As (d panel (south))	mg/kg	6	0	0.51	1.94	1.428	Assuming Normal Distribution	95% Student's-t UCL
As (e panel area 1)	mg/kg	6	0	0.1	0.86	0.575	Assuming Normal Distribution	95% Student's-t UCL
As (e panel area 2)	mg/kg	6	0	0.09	0.33	0.261	Assuming Normal Distribution	95% Student's-t UCL
As (north sage)	mg/kg	6	0	0.08	0.42	0.318	Assuming Normal Distribution	95% Student's-t UCL
As (pole canyon oda)	mg/kg	6	0	0.54	1.27	1.074	Assuming Normal Distribution	95% Student's-t UCL
Cd (a panel area 1)	mg/kg	6	0	2.92	8.84	6.321	Assuming Normal Distribution	95% Student's-t UCL
Cd (a panel area 2)	mg/kg	6	0	4.78	9.34	8.101	Assuming Normal Distribution	95% Student's-t UCL
Cd (d panel (north))	mg/kg	6	0	5.18	9.15	7.993	Assuming Normal Distribution	95% Student's-t UCL
Cd (d panel (south))	mg/kg	6	0	2.24	6.38	5.33	Assuming Normal Distribution	95% Student's-t UCL
Cd (e panel area 1)	mg/kg	6	0	1.06	15.5	17.4	Assuming Gamma Distribution	95% Adjusted Gamma UCL
Cd (e panel area 2)	mg/kg	6	0	0.698	2.86	2.022	Assuming Normal Distribution	95% Student's-t UCL
Cd (north sage)	mg/kg	6	0	1.17	3.53	3.034	Assuming Normal Distribution	95% Student's-t UCL
Cd (pole canyon oda)	mg/kg	6	0	3.38	10.6	8.152	Assuming Normal Distribution	95% Student's-t UCL
Cr (a panel area 1)	mg/kg	6	0	1.72	4.93	4.11	Assuming Normal Distribution	95% Student's-t UCL
Cr (a panel area 2)	mg/kg	6	0	1.29	6.04	4.463	Assuming Normal Distribution	95% Student's-t UCL
Cr (d panel (north))	mg/kg	6	0	0.68	7.64	4.769	Assuming Normal Distribution	95% Student's-t UCL
Cr (d panel (south))	mg/kg	6	0	0.78	8.93	6.029	Assuming Normal Distribution	95% Student's-t UCL
Cr (e panel area 1)	mg/kg	6	0	1.44	24.4	13.94	Assuming Normal Distribution	95% Student's-t UCL
Cr (e panel area 2)	mg/kg	6	0	0.57	1.31	1.221	Assuming Normal Distribution	95% Student's-t UCL
Cr (north sage)	mg/kg	6	0	0.18	0.62	0.541	Assuming Normal Distribution	95% Student's-t UCL
Cr (pole canyon oda)	mg/kg	6	0	0.84	2.81	2.399	Assuming Normal Distribution	95% Student's-t UCL
Cu (a panel area 1)	mg/kg	6	0	19.1	25.8	24.22	Assuming Normal Distribution	95% Student's-t UCL
Cu (a panel area 2)	mg/kg	6	0	18.3	26.9	27.18	Assuming Normal Distribution	95% Student's-t UCL
Cu (d panel (north))	mg/kg	6	0	17.5	29.8	26.85	Assuming Normal Distribution	95% Student's-t UCL
Cu (d panel (south))	mg/kg	6	0	19.9	26.8	24.56	Assuming Normal Distribution	95% Student's-t UCL
Cu (e panel area 1)	mg/kg	6	0	19.7	32.5	29.39	Assuming Normal Distribution	95% Student's-t UCL
Cu (e panel area 2)	mg/kg	6	0	18.3	25.4	23.28	Assuming Normal Distribution	95% Student's-t UCL
Cu (north sage)	mg/kg	6	0	17.7	27.6	26.55	Assuming Normal Distribution	95% Student's-t UCL
Cu (pole canyon oda)	mg/kg	6	0	19.7	29.3	27.23	Assuming Normal Distribution	95% Student's-t UCL
Pb (a panel area 1)	mg/kg	6	0	0.095	0.416	0.329	Assuming Normal Distribution	95% Student's-t UCL
Pb (a panel area 2)	mg/kg	6	0	0.096	0.273	0.211	Assuming Normal Distribution	95% Student's-t UCL
Pb (d panel (north))	mg/kg	6	0	0.065	0.319	0.296	Assuming Gamma Distribution	95% Adjusted Gamma UCL
Pb (d panel (south))	mg/kg	6	0	0.069	0.236	0.186	Assuming Normal Distribution	95% Student's-t UCL
Pb (e panel area 1)	mg/kg	6	0	0.104	0.519	0.41	Assuming Normal Distribution	95% Student's-t UCL
Pb (e panel area 2)	mg/kg	6	0	0.094	0.24	0.228	Assuming Normal Distribution	95% Student's-t UCL

**TABLE B-9**  
**Tier 2 Exposure Point Concentrations - Invertebrate Tissue By Mine Panel**

ECOPCs		Number of Samples	Number of Non-detects	Detected Concentrations		COI Concentration (95UCL) - based on information from ERA Samples		
Analyte	Units			Min	Max	EPC	Distribution	Estimation Method
Pb (north sage)	mg/kg	6	1	0.081	0.239	0.203	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Pb (pole canyon oda)	mg/kg	6	0	0.062	0.143	0.136	Assuming Normal Distribution	95% Student's-t UCL
Mn (a panel area 1)	mg/kg	6	0	95.4	167	161.6	Assuming Normal Distribution	95% Student's-t UCL
Mn (a panel area 2)	mg/kg	6	0	47	111	103.4	Assuming Normal Distribution	95% Student's-t UCL
Mn (d panel (north))	mg/kg	6	0	53.6	120	105.7	Assuming Normal Distribution	95% Student's-t UCL
Mn (d panel (south))	mg/kg	6	0	74.2	185	147.6	Assuming Normal Distribution	95% Student's-t UCL
Mn (e panel area 1)	mg/kg	6	0	83.6	239	201.9	Assuming Normal Distribution	95% Student's-t UCL
Mn (e panel area 2)	mg/kg	6	0	100	283	247	Assuming Normal Distribution	95% Student's-t UCL
Mn (north sage)	mg/kg	6	0	54.9	309	231	Assuming Normal Distribution	95% Student's-t UCL
Mn (pole canyon oda)	mg/kg	6	0	33.2	103	89.33	Assuming Normal Distribution	95% Student's-t UCL
Se (a panel area 1)	mg/kg	6	0	1.32	4.5	3.183	Assuming Normal Distribution	95% Student's-t UCL
Se (a panel area 2)	mg/kg	6	0	9.07	30.2	22.91	Assuming Normal Distribution	95% Student's-t UCL
Se (d panel (north))	mg/kg	6	0	8.77	62.3	51.36	Assuming Normal Distribution	95% Student's-t UCL
Se (d panel (south))	mg/kg	6	0	8.45	50.1	38.89	Assuming Normal Distribution	95% Student's-t UCL
Se (e panel area 1)	mg/kg	6	0	1.31	5.32	4.377	Assuming Normal Distribution	95% Student's-t UCL
Se (e panel area 2)	mg/kg	6	0	0.45	7.08	6.446	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Se (north sage)	mg/kg	6	0	0.94	12.1	8.829	Assuming Normal Distribution	95% Student's-t UCL
Se (pole canyon oda)	mg/kg	6	0	13.6	30	28.79	Assuming Normal Distribution	95% Student's-t UCL
V (a panel area 1)	mg/kg	6	0	1.42	3.87	3.319	Assuming Normal Distribution	95% Student's-t UCL
V (a panel area 2)	mg/kg	6	0	1.03	4.17	3.175	Assuming Normal Distribution	95% Student's-t UCL
V (d panel (north))	mg/kg	6	0	0.52	5.05	5.597	Assuming Gamma Distribution	95% Adjusted Gamma UCL
V (d panel (south))	mg/kg	6	0	0.53	3.84	3.435	Assuming Normal Distribution	95% Student's-t UCL
V (e panel area 1)	mg/kg	6	0	0.82	8.05	5.007	Assuming Normal Distribution	95% Student's-t UCL
V (e panel area 2)	mg/kg	6	0	0.38	0.96	0.791	Assuming Normal Distribution	95% Student's-t UCL
V (north sage)	mg/kg	6	0	0.21	0.55	0.432	Assuming Normal Distribution	95% Student's-t UCL
V (pole canyon oda)	mg/kg	6	0	0.54	1.5	1.303	Assuming Normal Distribution	95% Student's-t UCL
Zn (a panel area 1)	mg/kg	6	0	147	215	193.6	Assuming Normal Distribution	95% Student's-t UCL
Zn (a panel area 2)	mg/kg	6	0	188	250	239.7	Assuming Normal Distribution	95% Student's-t UCL
Zn (d panel (north))	mg/kg	6	0	179	224	212.2	Assuming Normal Distribution	95% Student's-t UCL
Zn (d panel (south))	mg/kg	6	0	135	182	183.5	Assuming Normal Distribution	95% Student's-t UCL
Zn (e panel area 1)	mg/kg	6	0	129	212	204.5	Assuming Normal Distribution	95% Student's-t UCL
Zn (e panel area 2)	mg/kg	6	0	127	181	162.6	Assuming Normal Distribution	95% Student's-t UCL
Zn (north sage)	mg/kg	6	0	140	166	162.3	Assuming Normal Distribution	95% Student's-t UCL
Zn (pole canyon oda)	mg/kg	6	0	164	265	235.8	Assuming Normal Distribution	95% Student's-t UCL

**TABLE B-10**  
**Tier 2 Exposure Point Concentrations - Invertebrate Tissue By Reclamation Type**

ECOPCs		Number of Samples	Number of Non-detects	Detected		COI Concentration (95UCL) - based on information from ERA Samples		
Analyte	Units			Min	Max	EPC	Distribution	Estimation Method
As (topsoil dinwoody chert)	mg/kg	6	0	0.09	0.33	0.261	Assuming Normal Distribution	95% Student's-t UCL
As (topsoil no chert)	mg/kg	14	0	0.3	1.48	1.035	Assuming Normal Distribution	95% Student's-t UCL
As (topsoil over chert)	mg/kg	18	0	0.1	1.94	0.8	Assuming Gamma Distribution	95% Adjusted Gamma UCL
Cd (no topsoil no chert)	mg/kg	4	0	5.09	7.42	7.079	Assuming Normal Distribution	95% Student's-t UCL
Cd (topsoil dinwoody chert)	mg/kg	6	0	0.698	2.86	2.022	Assuming Normal Distribution	95% Student's-t UCL
Cd (topsoil no chert)	mg/kg	14	0	3.38	10.6	7.646	Assuming Normal Distribution	95% Student's-t UCL
Cd (topsoil over chert)	mg/kg	18	0	1.06	15.5	5.938	Assuming Gamma Distribution	95% Adjusted Gamma UCL
Cr (topsoil dinwoody chert)	mg/kg	6	0	0.57	1.31	1.221	Assuming Normal Distribution	95% Student's-t UCL
Cr (topsoil no chert)	mg/kg	14	0	0.68	6.04	2.816	Assuming Normal Distribution	95% Student's-t UCL
Cr (topsoil over chert)	mg/kg	18	0	0.78	24.4	6.701	Assuming Gamma Distribution	95% Adjusted Gamma UCL
Cu (no topsoil no chert)	mg/kg	4	0	18.3	29.8	29.4	Assuming Normal Distribution	95% Student's-t UCL
Cu (topsoil dinwoody chert)	mg/kg	6	0	18.3	25.4	23.28	Assuming Normal Distribution	95% Student's-t UCL
Cu (topsoil no chert)	mg/kg	14	0	17.5	29.3	25.73	Assuming Normal Distribution	95% Student's-t UCL
Cu (topsoil over chert)	mg/kg	18	0	19.1	32.5	24.88	Assuming Normal Distribution	95% Student's-t UCL
Mn (topsoil dinwoody chert)	mg/kg	6	0	100	283	247	Assuming Normal Distribution	95% Student's-t UCL
Mn (topsoil no chert)	mg/kg	14	0	33.2	120	93.13	Assuming Normal Distribution	95% Student's-t UCL
Mn (topsoil over chert)	mg/kg	18	0	74.2	239	152.8	Assuming Normal Distribution	95% Student's-t UCL
Ni (topsoil dinwoody chert)	mg/kg	6	0	0.81	1.9	1.685	Assuming Normal Distribution	95% Student's-t UCL
Ni (topsoil no chert)	mg/kg	14	0	1.1	4.33	3.213	Assuming Normal Distribution	95% Student's-t UCL
Ni (topsoil over chert)	mg/kg	18	0	1.69	6.19	3.404	Assuming Gamma Distribution	95% Adjusted Gamma UCL
Pb (no topsoil no chert)	mg/kg	4	0	0.1	0.319	0.288	Assuming Normal Distribution	95% Student's-t UCL
Pb (topsoil dinwoody chert)	mg/kg	6	0	0.094	0.24	0.228	Assuming Normal Distribution	95% Student's-t UCL
Pb (topsoil no chert)	mg/kg	14	0	0.062	0.273	0.15	Assuming Normal Distribution	95% Student's-t UCL
Pb (topsoil over chert)	mg/kg	18	0	0.069	0.519	0.268	Assuming Normal Distribution	95% Student's-t UCL
Sb (topsoil dinwoody chert)	mg/kg	0	10	0.021	0.147	0.0516	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Sb (topsoil no chert)	mg/kg	14	10	0.021	0.147	0.0516	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Sb (topsoil over chert)	mg/kg	18	13	0.02	0.083	0.034	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Se (no topsoil no chert)	mg/kg	4	0	13.6	62.3	55.12	Assuming Normal Distribution	95% Student's-t UCL
Se (topsoil dinwoody chert)	mg/kg	6	0	0.45	7.08	6.446	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Se (topsoil no chert)	mg/kg	14	0	8.77	53.8	29.77	Assuming Normal Distribution	95% Student's-t UCL
Se (topsoil over chert)	mg/kg	18	0	1.31	50.1	25.42	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
V (no topsoil no chert)	mg/kg	4	0	1.03	5.05	4.45	Assuming Normal Distribution	95% Student's-t UCL
V (topsoil dinwoody chert)	mg/kg	6	0	0.38	0.96	0.791	Assuming Normal Distribution	95% Student's-t UCL
V (topsoil no chert)	mg/kg	14	0	0.52	4.17	2.043	Assuming Lognormal Distribution	95% H-UCL
V (topsoil over chert)	mg/kg	18	0	0.53	8.05	3.22	Assuming Normal Distribution	95% Student's-t UCL
Zn (no topsoil no chert)	mg/kg	4	0	185	202	203.8	Assuming Normal Distribution	95% Student's-t UCL
Zn (topsoil dinwoody chert)	mg/kg	6	0	127	181	162.6	Assuming Normal Distribution	95% Student's-t UCL
Zn (topsoil no chert)	mg/kg	14	0	164	265	225.4	Assuming Normal Distribution	95% Student's-t UCL
Zn (topsoil over chert)	mg/kg	18	0	129	215	183.3	Assuming Normal Distribution	95% Student's-t UCL

**TABLE B-11**  
**Tier 2 Exposure Point Concentrations - Terrestrial Vegetation By Mine Panel**

ECOPCs		Number of Samples	Number of Non-detects	Detected		COI Concentration (95UCL) - based on information from ERA Samples		
Analyte	Units			Min	Max	EPC	Distribution	Estimation Method
As (a panel area 1)	mg/kg	10	8	0.06	0.09	0.0743	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
As (a panel area 2)	mg/kg	10	7	0.52	1.18	0.604	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
As (d panel (north))	mg/kg	10	0	0.11	1.11	0.562	Assuming Normal Distribution	95% Student's-t UCL
As (d panel (south))	mg/kg	10	0	0.12	0.66	0.472	Assuming Normal Distribution	95% Student's-t UCL
As (e panel area 1)	mg/kg	10	3	0.07	0.23	0.146	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
As (e panel area 2)	mg/kg	10	0	0.06	0.12	0.0967	Assuming Normal Distribution	95% Student's-t UCL
As (north sage)	mg/kg	10	4	0.05	0.09	0.068	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
As (pole canyon)	mg/kg	10	0	6.00E-02	5.20E-01	0.308	Assuming Normal Distribution	95% Student's-t UCL
Cd (a panel area 1)	mg/kg	10	0	0.5	1.53	1.028	Assuming Normal Distribution	95% Student's-t UCL
Cd (a panel area 2)	mg/kg	10	0	0.752	3.73	4.303	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Cd (d panel (north))	mg/kg	10	0	1.18	3.44	2.201	Assuming Normal Distribution	95% Student's-t UCL
Cd (d panel (south))	mg/kg	10	0	0.584	1.45	1.188	Assuming Normal Distribution	95% Student's-t UCL
Cd (e panel area 1)	mg/kg	10	0	0.152	1.13	0.717	Assuming Normal Distribution	95% Student's-t UCL
Cd (e panel area 2)	mg/kg	10	2	0.069	0.564	0.336	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Cd (north sage)	mg/kg	10	0	0.114	0.523	0.332	Assuming Normal Distribution	95% Student's-t UCL
Cd (pole canyon)	mg/kg	10	0	0.241	2.7	2.139	Assuming Normal Distribution	95% Student's-t UCL
Cr (north sage)	mg/kg	10	3	0.7	1.6	1.167	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Cr (pole canyon)	mg/kg	10	1	0.3	4	2.523	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Cu (a panel area 1)	mg/kg	10	0	6.69	8.3	7.699	Assuming Normal Distribution	95% Student's-t UCL
Cu (a panel area 2)	mg/kg	10	0	6.87	11	9.333	Assuming Normal Distribution	95% Student's-t UCL
Cu (d panel (north))	mg/kg	10	0	5.37	8.3	7.396	Assuming Normal Distribution	95% Student's-t UCL
Cu (d panel (south))	mg/kg	10	0	4.83	8.82	6.789	Assuming Normal Distribution	95% Student's-t UCL
Cu (e panel area 1)	mg/kg	10	0	3.51	7.31	6.573	Assuming Normal Distribution	95% Student's-t UCL
Cu (e panel area 2)	mg/kg	10	0	3.95	6.15	5.215	Assuming Normal Distribution	95% Student's-t UCL
Cu (north sage)	mg/kg	10	0	3.6	10.2	9.602	Assuming Normal Distribution	95% Student's-t UCL
Cu (pole canyon)	mg/kg	10	0	4.09	10.9	8.122	Assuming Normal Distribution	95% Student's-t UCL
Mn (a panel area 1)	mg/kg	10	0	53	182	150.9	Assuming Normal Distribution	95% Student's-t UCL
Mn (a panel area 2)	mg/kg	10	0	22.2	68.6	62	Assuming Normal Distribution	95% Student's-t UCL
Mn (d panel (north))	mg/kg	10	0	39.6	73	58.55	Assuming Normal Distribution	95% Student's-t UCL
Mn (d panel (south))	mg/kg	10	0	38.8	170	101.5	Assuming Normal Distribution	95% Student's-t UCL
Mn (e panel area 1)	mg/kg	10	0	50.7	178	139.1	Assuming Normal Distribution	95% Student's-t UCL
Mn (e panel area 2)	mg/kg	10	0	90	194	148	Assuming Normal Distribution	95% Student's-t UCL
Mn (north sage)	mg/kg	10	0	30.3	257	125	Assuming Lognormal Distribution	95% H-UCL
Mn (pole canyon)	mg/kg	10	0	22.4	146	114.1	Nonparametric Distribution Free UCLs	95% Chebyshev (Mean, Sd) UCL
Mo (a panel area 1)	mg/kg	10	0	2.53	10	6.112	Assuming Normal Distribution	95% Student's-t UCL
Mo (a panel area 2)	mg/kg	10	0	2.38	18.8	15.58	Assuming Normal Distribution	95% Student's-t UCL
Mo (d panel (north))	mg/kg	10	0	5.6	13.9	11	Assuming Normal Distribution	95% Student's-t UCL
Mo (d panel (south))	mg/kg	10	0	3.66	14.8	10.18	Assuming Gamma Distribution	95% Adjusted Gamma UCL
Mo (e panel area 1)	mg/kg	10	0	3.25	14.1	7.799	Assuming Normal Distribution	95% Student's-t UCL
Mo (e panel area 2)	mg/kg	10	0	0.88	7.43	4.53	Assuming Normal Distribution	95% Student's-t UCL
Ni (a panel area 1)	mg/kg	10	2	0.99	3.19	2.445	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Ni (a panel area 2)	mg/kg	10	0	0.87	11.7	8.621	Assuming Normal Distribution	95% Student's-t UCL

**TABLE B-11**  
**Tier 2 Exposure Point Concentrations - Terrestrial Vegetation By Mine Panel**

ECOPCs		Number of Samples	Number of Non-detects	Detected		COI Concentration (95UCL) - based on information from ERA Samples		
Analyte	Units			Min	Max	EPC	Distribution	Estimation Method
Ni (d panel (north))	mg/kg	10	0	1.9	7.79	5.372	Assuming Normal Distribution	95% Student's-t UCL
Ni (d panel (south))	mg/kg	10	0	1.36	5.23	3.973	Assuming Normal Distribution	95% Student's-t UCL
Ni (e panel area 1)	mg/kg	10	0	0.91	5.7	3.52	Assuming Normal Distribution	95% Student's-t UCL
Ni (e panel area 2)	mg/kg	10	0	0.48	1.43	1.293	Assuming Normal Distribution	95% Student's-t UCL
Pb (a panel area 2)	mg/kg	10	7	0.289	0.904	0.382	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Pb (d panel (north))	mg/kg	10	2	0.093	0.477	0.234	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Pb (d panel (south))	mg/kg	10	6	0.063	0.148	0.102	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Pb (e panel area 1)	mg/kg	10	7	0.101	0.256	0.155	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Pb (north sage)	mg/kg	10	5	0.121	0.197	0.136	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Pb (pole canyon)	mg/kg	10	1	0.07	0.146	0.101	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Sb (d panel (north))	mg/kg	10	0	0.038	0.294	0.185	Assuming Normal Distribution	95% Student's-t UCL
Sb (d panel (south))	mg/kg	10	0	0.026	0.181	0.0989	Assuming Gamma Distribution	95% Adjusted Gamma UCL
Sb (e panel area 1)	mg/kg	10	2	0.012	0.215	0.0995	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Sb (e panel area 2)	mg/kg	10	1	0.011	0.117	0.0816	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Sb (north sage)	mg/kg	10	5	0.01	0.076	0.03	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Sb (pole canyon)	mg/kg	10	0	0.011	0.058	0.034	Assuming Normal Distribution	95% Student's-t UCL
Se (a panel area 1)	mg/kg	10	6	0.4	1.59	0.83	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Se (a panel area 2)	mg/kg	10	0	0.37	84.5	39.39	Assuming Normal Distribution	95% Student's-t UCL
Se (d panel (north))	mg/kg	10	0	2.02	66.2	29.12	Assuming Normal Distribution	95% Student's-t UCL
Se (d panel (south))	mg/kg	10	0	5.33	30.9	20.55	Assuming Normal Distribution	95% Student's-t UCL
Se (e panel area 1)	mg/kg	10	5	0.16	5.59	1.906	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Se (e panel area 2)	mg/kg	10	4	0.08	0.33	0.208	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Se (north sage)	mg/kg	10	6	0.2	4.34	1.399	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Se (pole canyon)	mg/kg	10	0	2.7	29	14.41	Assuming Normal Distribution	95% Student's-t UCL
V (a panel area 1)	mg/kg	10	0	0.29	0.6	0.494	Assuming Normal Distribution	95% Student's-t UCL
V (a panel area 2)	mg/kg	10	0	0.17	1.26	0.757	Assuming Normal Distribution	95% Student's-t UCL
V (d panel (north))	mg/kg	10	0	0.21	0.7	0.489	Assuming Normal Distribution	95% Student's-t UCL
V (d panel (south))	mg/kg	10	0	0.15	0.64	0.458	Assuming Normal Distribution	95% Student's-t UCL
V (e panel area 1)	mg/kg	10	0	0.16	1.05	0.635	Assuming Normal Distribution	95% Student's-t UCL
V (e panel area 2)	mg/kg	10	0	0.29	0.55	0.406	Assuming Normal Distribution	95% Student's-t UCL
V (north sage)	mg/kg	10	0	0.12	0.29	0.221	Assuming Normal Distribution	95% Student's-t UCL
V (pole canyon)	mg/kg	10	0	0.15	0.63	0.368	Assuming Normal Distribution	95% Student's-t UCL
Zn (a panel area 1)	mg/kg	10	0	23	50.4	38.26	Assuming Normal Distribution	95% Student's-t UCL
Zn (a panel area 2)	mg/kg	10	0	32.9	124	105.2	Assuming Normal Distribution	95% Student's-t UCL
Zn (d panel (north))	mg/kg	10	0	39	86.1	66.58	Assuming Normal Distribution	95% Student's-t UCL
Zn (d panel (south))	mg/kg	10	0	31.6	62.6	49.94	Assuming Normal Distribution	95% Student's-t UCL
Zn (e panel area 1)	mg/kg	10	0	17.7	39.4	30.76	Assuming Normal Distribution	95% Student's-t UCL
Zn (e panel area 2)	mg/kg	10	0	17.3	23.6	21.09	Assuming Normal Distribution	95% Student's-t UCL
Zn (north sage)	mg/kg	10	0	25.5	36.8	31.47	Assuming Normal Distribution	95% Student's-t UCL
Zn (pole canyon)	mg/kg	10	0	20.4	109	78.38	Assuming Normal Distribution	95% Student's-t UCL

**TABLE B-12**  
**Tier 2 Exposure Point Concentrations - Terrestrial Vegetation By Reclamation Type**

ECOPCs		Number of Samples	Number of Non-detects	Detected		COI Concentration (95UCL) - based on information from ERA Samples		
Analyte	Units			Min	Max	EPC	Distribution	Estimation Method
As (no topsoil no chert)	mg/kg	9	3	0.15	1.11	0.552	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
As (topsoil dinwoody chert)	mg/kg	10	0	0.06	0.12	0.0967	Assuming Normal Distribution	95% Student's-t UCL
As (topsoil no chert)	mg/kg	21	4	0.06	1.18	0.43	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
As (topsoil over chert)	mg/kg	30	11	0.06	0.66	0.235	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (Percentile Bootstrap) UCL
Cd (no topsoil no chert)	mg/kg	9	0	1.08	3.61	2.816	Assuming Normal Distribution	95% Student's-t UCL
Cd (topsoil dinwoody chert)	mg/kg	10	2	0.069	0.564	0.336	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Cd (topsoil no chert)	mg/kg	21	0	0.241	3.73	2.34	Assuming Normal Distribution	95% Student's-t UCL
Cd (topsoil over chert)	mg/kg	30	0	1.52E-01	1.53E+00	0.915	Assuming Normal Distribution	95% Student's-t UCL
Cr (no topsoil no chert)	mg/kg	9	2	0.3	2.7	1.738	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Cr (topsoil dinwoody chert)	mg/kg	10	0	0.6	1.7	1.35	Assuming Normal Distribution	95% Student's-t UCL
Cr (topsoil no chert)	mg/kg	21	9	0.3	4	1.315	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Cr (topsoil over chert)	mg/kg	30	8	0.4	6.1	1.538	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (BCA) UCL
Cu (no topsoil no chert)	mg/kg	9	0	5.37	11	9.464	Assuming Normal Distribution	95% Student's-t UCL
Cu (topsoil dinwoody chert)	mg/kg	10	0	3.95	6.15	5.215	Assuming Normal Distribution	95% Student's-t UCL
Cu (topsoil no chert)	mg/kg	21	0	4.09	10.4	7.646	Assuming Normal Distribution	95% Student's-t UCL
Cu (topsoil over chert)	mg/kg	30	0	3.51E+00	8.82E+00	6.812	Assuming Normal Distribution	95% Student's-t UCL
Mn (no topsoil no chert)	mg/kg	9	0	22.2	73	49.43	Assuming Normal Distribution	95% Student's-t UCL
Mn (topsoil dinwoody chert)	mg/kg	10	0	90	194	148	Assuming Normal Distribution	95% Student's-t UCL
Mn (topsoil no chert)	mg/kg	21	0	22.4	146	70.26	Assuming Gamma Distribution	95% Adjusted Gamma UCL
Mn (topsoil over chert)	mg/kg	30	0	38.8	182	120.2	Assuming Normal Distribution	95% Student's-t UCL
Ni (no topsoil no chert)	mg/kg	9	0	2.59	9.18	5.889	Assuming Normal Distribution	95% Student's-t UCL
Ni (topsoil dinwoody chert)	mg/kg	10	0	0.48	1.43	1.293	Assuming Normal Distribution	95% Student's-t UCL
Ni (topsoil no chert)	mg/kg	21	0	0.87	12.8	7.73	Assuming Gamma Distribution	95% Adjusted Gamma UCL
Ni (topsoil over chert)	mg/kg	30	2	0.91	5.7	3.018	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Pb (no topsoil no chert)	mg/kg	9	4	0.08	0.442	0.194	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Pb (topsoil dinwoody chert)	mg/kg	10	9	0.07	0.904	0.243	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (BCA) UCL
Pb (topsoil no chert)	mg/kg	21	6	0.07	0.904	0.243	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (BCA) UCL
Pb (topsoil over chert)	mg/kg	30	23	0.063	0.256	0.0906	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Sb (no topsoil no chert)	mg/kg	9	3	0.013	0.09	0.0488	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Sb (topsoil dinwoody chert)	mg/kg	10	1	0.011	0.117	0.0816	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Sb (topsoil no chert)	mg/kg	21	7	0.011	0.294	0.109	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (Percentile Bootstrap) UCL
Sb (topsoil over chert)	mg/kg	30	12	1.20E-02	2.15E-01	0.0668	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Se (no topsoil no chert)	mg/kg	9	0	2.7	66.2	29.58	Assuming Normal Distribution	95% Student's-t UCL
Se (topsoil dinwoody chert)	mg/kg	10	4	0.08	0.33	0.208	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Se (topsoil no chert)	mg/kg	21	0	0.37	84.5	27.46	Assuming Gamma Distribution	95% Adjusted Gamma UCL
Se (topsoil over chert)	mg/kg	30	11	0.16	30.9	8.29	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	95% KM (t) UCL
Zn (no topsoil no chert)	mg/kg	9	0	41.1	115	87.32	Assuming Normal Distribution	95% Student's-t UCL
Zn (topsoil dinwoody chert)	mg/kg	10	0	17.3	23.6	21.09	Assuming Normal Distribution	95% Student's-t UCL
Zn (topsoil no chert)	mg/kg	21	0	20.4	124	78.58	Assuming Normal Distribution	95% Student's-t UCL

Zn (topsoil over chert)	mg/kg	30	0	17.7	62.6	38.32	Assuming Normal Distribution	95% Student's-t UCL
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